Soil and Water Remediation, Groundwater/Vadose Zone (RL-0030)

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Down-graded the Personal Protective Equipment requirements below the Caliche layer

Overview

This section addresses Project Baseline Summary (PBS) RL-0030, *Soil and Waste Remediation Groundwater/Vadose Zone.*

NOTE: Unless otherwise noted, all information contained herein is as of the end of August 2004.

Notable Accomplishments

100-D Groundwater Treatment System: The new treatment system was designed, built, and put into operation in 19 weeks with zero injuries, zero accidents, and no occurrences. The new 100-D system has proven highly effective at removing chromium from the groundwater in an area where the highest concentrations of chromium have been found on the Hanford Site.

216-Z-9 Well: The well drilling advanced to a depth of 228 feet below ground level where groundwater was encountered. The borehole drilling will continue until basalt is encountered (approximately 530 feet) to investigate what, if any, carbon tetrachloride has moved down through the groundwater.

Waste Sampling and Characterization Facility (WSCF): One of the most important projects for the WSCF analytical laboratory is the Waste Isolation Pilot Plant (WIPP) Program. More than ten chemists and technicians are involved in the collection and analysis of head space gas samples from Hanford transuranic waste drums destined for final underground storage at the WIPP facility in New Mexico. Under this program, the WSCF lab is required to pass an annual audit to be certified for this analytical work. In addition, the lab also is required to participate in the Performance Demonstration Program (PDP) cycles, which require successful analysis of a set of five gas samples of unknown composition. The WSCF lab uses three identical high-tech instruments called gas chromatograph/mass spectrometers to perform these analyses. The results from all eight national labs participating in the WIPP PDP analyses are compiled in an annual report and a scoring card is issued. The report gave the WSCF Laboratory a perfect score of 100% for Cycle 18A of the PDP.

FY 2004 FH Funds versus Forecast ($M)

	FY 2004 Anticipated Funding w/Carryover	FY 2004 Fiscal Year Spend Forecast	Variance
Soil & Water Remediation, Groundwater/Vadose Zone	$ 37.0	$ 35.7	$ 1.3

The projected spending variance reflects a reduction in the forecast spending combined with an increase in funding. The reduction in spending is a result of work scope delays that are now forecast to be carried over and performed in fiscal year 2005. The increase in funding ($750K) is associated with revised work scope for the expansion of the 100-KR-4 Pump and Treat System. The funding was received in late August and will also be carried over into fiscal year 2005.

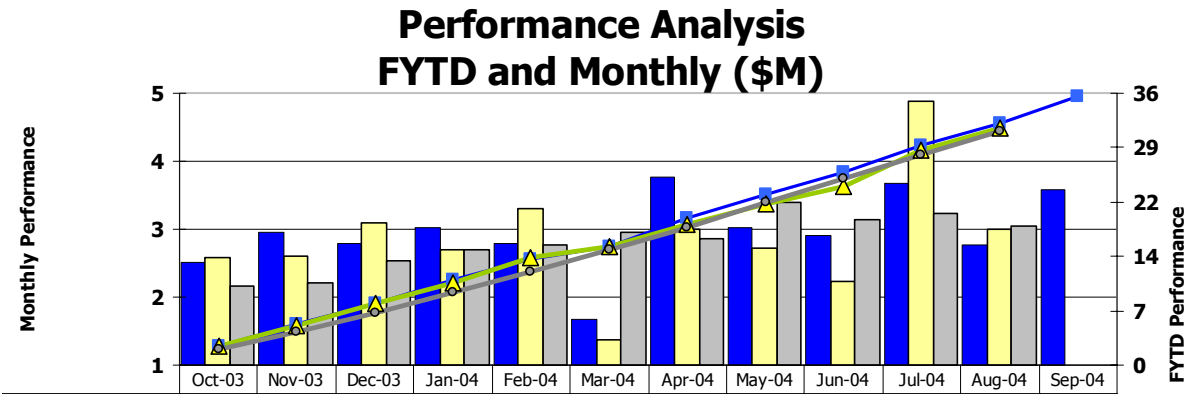
FY 2004 Schedule/Cost Performance ($M)

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance $	Schedule Variance %	Cost Variance $	Cost Variance %	Budget At Completion
Soil & Water Remediation, Groundwater/Vadose Zone	$31.9	$31.5	$31.0	-$0.5	-2%	$0.5	2%	$35.5

Numbers are rounded to the nearest $M and include the closure services allocation.

Schedule Performance: The schedule variance is within established thresholds.

Cost Performance: The cost variance is within established thresholds.



	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04
Monthly BCWS	2.5	3.0	2.8	3.0	2.8	1.7	3.8	3.0	2.9	3.7	2.8	3.6
Monthly BCWP	2.6	2.6	3.1	2.7	3.3	1.4	3.0	2.7	2.2	4.9	3.0	
Monthly ACWP	2.2	2.2	2.5	2.7	2.8	2.9	2.9	3.4	3.1	3.2	3.0	
FYTD BCWS	2.5	5.5	8.3	11.3	14.1	15.8	19.5	22.6	25.5	29.1	31.9	35.5
FYTD BCWP	2.6	5.2	8.3	11.0	14.3	15.6	18.6	21.4	23.6	28.5	31.5	
FYTD ACWP	2.2	4.4	6.9	9.6	12.3	15.3	18.2	21.6	24.7	27.9	31.0	